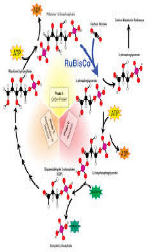
For First Diploma & Master General Medicine











نسألكم الدعاء

Pharmacology



باطنة

Menoufiya University
Faculty of Medicine
Dept. Of Clinical Pharmacology
Diploma & M.Sc. Internal Medicine (First part)

Date: 10/11/2013
Time allowed: 2 hours
Full marks: (50)

Pharmacology Exam

Answer the following questions:

1. **Mention the main untoward effects of:** ***(15 Marks)***
   a. Verapamil. (3Marks)
   b. Cephalosporins. (3Marks)
   c. Metoclopramide. (3Marks)
   d. Oral anticoagulants. (3Marks)
   e. Mebendazole. (3Marks)
2. **What are the main precautions during use of the followings:** ***(10 Marks)***
   a. Propylthiouracil. (2.5 Marks)
   b. Corticosteroids. (2.5 Marks)
   c. Sodium nitroprusside. (2.5 Marks)
   d. Clonidine. (2.5 Marks)
3. **Compare between:** ***(10 Marks)***
   a. Propranolol and atenolol. (2.5 Marks)
   b. First generation and second generation antihistamincs. (2.5 Marks)
   c. Cholinergic and myasthenic crisis. (2.5 Marks)
   d. Frusemide and spironolactone. (2.5 Marks)
4. Mention clinical uses, adverse effects, and drug interactions of metronidazole. ***(10 Marks)***
5. How can you prolong duration of action of a drug? ***(5 Marks)***

Let us hope that ALLAH will help you

Prof. Dr. Abdel Rahman Yassin

Menoufiya University.
Faculty of Medicine.
Dept. of clinical pharmacology.
M.Sc. Internal Medicine. (First Part)

Date: 12-5-2013
Time: (2 hours)
Full marks: (50)

Pharmacology exam

Answer the following questions:

1) Mention the main untoward effects of: (15 Marks)
   a. Digitalis. (3 Marks)
   b. Penicillins. (3 Marks)
   c. Metoclopramide. (3 Marks)
   d. Oral hypoglycemics. (3 Marks)
   e. Mebendazole. (3 Marks)

2) What are the main precautions during use of the following: (10 Marks)
   a. ACEIs. (2.5 Marks)
   b. Corticosteroids. (2.5 Marks)
   c. Beta-blockers. (2.5 Marks)
   d. Clonidine. (2.5 Marks)

3) Compare between: (10 Marks)
   a. Nifedipine and verapamil. (3 Marks)
   b. Frist generation and second generation cephalosporins (4 Marks)
   c. Frusemide and spironolactone. (3 Marks)

4) Mention clinical uses, adverse effects, drug interaction of metronidazole. (10 Marks)

5) Define and mention the clinical importance of : (5 Marks)
   a. Volume of distribution.
   b. Elimination half life.

"Let Us Hope That ALLAH Will Help You"

Prof. Dr.: Abdel Rahman Yassin

Menoufiya University
Faculty of Medicine
Clinical Pharmacology Dept.

Date: 17/4/2012
Time allowed: 2 hours

M.Sc. and Diploma I gree (General Medicine)
(Pharmacolo: Exam.; 1st part)

Answer the following Questions

1- Hydrochlorothizides , verapamil , bis prolol are drugs commonly used for treatment of hypertension. Explain their mechai ism of action , adverse effects and contraindications. (15 marks)

2- Antithyroid drugs are commonly used in clinical practice.Mention their classifications, Explain their mechanism of action , indications and adverse effects. (13 marks)

3- Give an account on: (10 marks)

A- Precautions of fibrinolytic therapy.
B- Mechanism of action , adverse effects of statins.
C- Contraindications of cardiac glycosides.

4- Write a short pharmacological account on indications , adverse effects , drug interactions , contraindications of angiotensin converting enzyme inhibitors (ACEIs). (12 marks)

***GOOD LUCK

١- الامتحان الشفوى للماجستير يوم الخميس ٢٠١٢/٥/١٧ الساعة التاسعة صباحا .
٢- الامتحان الشفوى للدبلوم والدكتوراه يوم السبت ٢٠١٢/٥/١٩ الساعة التاسعة صباحا .

Menoufiya University
Faculty of Medicine
Clinical Pharmacology Dept.

Date: 7/5/2011
Time allowed: 2 hour

M.Sc. and Diploma Degree (General Medicine)
(Pharmacology Exam ; 1st part)

Answer the following Questions:

1- Thiazides , verapamil , atenolol are drugs commonly used for treatment of angina pectors. Explain their mechanism of action , adverse effects and drug interactions. **(15 marks)**

2- Anticoagulants are commonly used in clinical practice. Mention their classification , explain their indications , adverse effects , control of therapy and doses. **(15 marks)**

3- Give an account on: **(10 marks)**

A- Treatment of digitalis toxicity.

B- Mechanism of action , adverse effects of statins.

C- Adverse effects of sulfonylureas.

4- Write a short pharmacological account on indications , adverse effects , contraindications of angiotensin converting enzyme inhibitors (ACEIs). **(10 marks)**

***GOOD LUCK

الامتحان الشـفوى للماجستير يوم الاثنـين ٢٠١١/٥/١٦ السـاعة التاسعـة صباحا

الامتحان الشفوى للدبلوم والدكتوراه يوم الثلاثاء ٢٠١١/٥/١٧ الساعة التاسعة صباحا

Menoufiya University
Faculty of Medicine
Clinical Pharmacology Dept.

Date: 3/5/2009
Time: 2 hours

مكتبة الحكمة
ت ٠٤٨/٢٢١٧١٦

M.Sc. , Diploma (General Medicine)
(Pharmacology Exam , 1st part)

Answer the following questions:

1- Nitrates , verapamil ,and atenolol are drugs commonly used for treatment of angina pectoris. Explain their mechanism of action , adverse effects and drug interactions.

(18 Marks)

2- Anticoagulants are commonly used in clinical practice. Mention their classification, explain their indications, adverse effects, control of therapy and doses.

(12 marks)

3- Give a brief pharmacological account on each of the following: (12 marks)

A- Adverse effects of H_1- blockers (antihistaminics).
B- Metronidazole (indications , adverse effects).
C- Medical circumstances in which antimicrobial prophylaxis are useful.

4- Give an account on: (8 Marks)

A- Treatment of digitalis toxicity.

B- Mechanism of action , adverse effects of fibrates.

C- Adverse effects of proton pump inhibitors.

**GOOD LUCK

[illegible]

Menoufiya University
Faculty of Medicine
Clinical Pharmacology Dept.

Date: 4/5/2008
Time: 2 hours

M.Sc. , Diploma (General Medicine)
(Pharmacology Exam , 1st part)

Answer the following questions:

1- Captopril , nifedipine ,and atenolol are drugs commonly used for treatment of hypertension. Explain their mechanism of action , adverse effects and drug interactions.

(16 Marks)

2- Classify oral antidiabetic drugs. Explain their mechanism of action and adverse effects.

(14 Marks)

3- What are the precautions during the use of the following: (16 Marks)

A- Corticosteroids.
B- Theophylline.
C- Diuretics in hepatic cirrhosis and congestive heart failure.
D- Iron therapy.

4- Give an account on:

(14 Marks)

A- Adverse effects , treatment of heparin toxicity.
B- Mechanism of action , adverse effects of statins.
C- Mechanism of action , adverse effects of antisecretory drugs.

***************************************GOOD LUCK

Menoufiya University
Faculty of Medicine

M.Sc. General Medicine
Date: 18/11/2007
Time allowed: 3 hours

Pharmacology Exam

Answer the following questions. Use drug examples to illustrate your answers.

1- Atenolol , verapamil , and atorvastatin are drugs related to three different pharmacological groups. Explain the pharmacological basis underlying the therapeutic uses and mention their main adverse effects and their drug interactions.

2- Give a brief pharmacological account on each of the following:
A- Metoclopramide.
B- Precautions taken during prolonged use of corticosteroids.
C- Precautions taken during use of diuretics in congestive heart failure.
D- Sodium nitroprusside.
E- Lactulose.

3- Diuretics are used for treatment of many disease states. Classify these drugs , explain the therapeutic uses , adverse effects , and drug interactions of spironolactone.

4- Discuss , on pharmacological base , the following statement: Gastric acidity may be inhibited by drugs acting on different types of receptors and enzymes.

5- Give reason(s):
A- Mannitol is contraindicated in heart failure.
B- Quinidine is contraindicated in complete heart block.
C- Sympathomimetics are contraindicated for treatment of bradycardia induced by cardiac glycosides.
D- Reflex tachycardia occurs with some calcium channel blockers but not with others. c [illegible] effect e.g. nifedipine

**GOOD LUCK

الامتحان الشفهي يوم الاثنين الموافق 2007/11/26 الساعة التاسعة صباحا

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Menoufiya University
Faculty of Medicine

M.Sc. General Medicine
Date : 13/5/2007
Time allowed : 3 hours

Pharmacology Exam

Answer the following questions . Use drug examples to illustrate your answers.

1- Carvidilol , verapamil ,and atorvastatin are drugs related to three different pharmacological groups . Explain the pharmacological basis underlying the therapeutic uses and mention their main adverse effects.

2- Give a brief pharmacological account on each of the following:
A- Drugs used in esophageal reflux disease.
B- Precautions during prolonged use of corticosteroids.
C- Precautions taken in consideration of the use of theophylline.
D- Adverse drug reactions.
E- Treatment of hepatic encephalopathy.

3- Diuretics are used for treatment of many disease states. Classify these drugs , explain the therapeutic uses,adverse effects ,and drug interactions of thiazides.

4- Give reason(s):
A- Mannitol is contraindicated in heart failure.
B- Quinidine is contraindicated in complete heart block.
C- Sympathomimetics are contraindicated for treatment of bradycardia induced by cardiac glycosides.
D- Calcium channel blockers have antianginal effect.

***GOOD LUCK

Menoufiya University
Faculty of Medicine
Clinical Pharmacology Exam

Master Degree of Internal Medicine
Date : 28/5/2005
Time allowed: 3 hours

Pharmacology Exam

Answer the following questions

1- The anti-diabetic drugs are commonly used in clinical practice , classify these drugs , explain mechanism of action , indications , adverse effects of these drugs.

2- Classify cephalosporins , explain the mechanism of action , clinical uses , adverse effects and drug interactions of these drugs.

3- Beta-blockers are used for treatment of many disease states. Discuss the rational for its use in each indication.

4- Write a short account on indications , adverse effects and contraindications of angiotensin converting enzyme inhibitors (ACEIs). Explain the underlying mechanims in each indication.

5- Classify adverse drug reactions. Give an account on factors predisposing to adverse reactions.

***********************************GOOD LUCK

Menoufiya University
Faculty of Medicine

Clinical Pharmacology Dept.
Date: 31/5/2005
Time allowed: 3 hours

Master Degree of Internal Medicine
(Pharmacology Exam)

1- Classify diuretics. Give an account on therapeutic uses , adverse effects , drug interaction of thiazides.

2- On pharmacological basis , discuss the following:

A- Due to their effects on various biological system , beta-blockers possess many therapeutic uses and many adverse effects and some drug interactions.

B- Gastric acidity may be inhibited by drugs acting on different types of receptors and enzymes.

3- Give an account on :

A- Heparin (mechanism of action , indications , adverse effects , antidote)

B- Non-surgical antimicrobial prophylaxis.

C- Sulphonylureas (mechanism of action , adverse effects and drug interaction).

D- Adverse effects and precautions of long term therapy with corticosteroids.

E- Captopril (mechanism of action , indications , adverse effects , contraindications).

F- Statins (mechanism of action , adverse effects).

*********************************GOOD LUCK

[illegible]

Menoufia University
Faculty of Medicine

Clinical Pharmacology
Department
Date : 2/11/2004
Time allowed : 3 hours

Master Degree of Internal Medicine

(Pharmacology Exam)

1- Discuss drug therapy of peptic ulcer.

2- Give an account on the mechanism of action and the main adverse effects of Four drugs belonging to different groups used in treatment of essential hypertension.

3- Give n account on:

A- Heparin (mechanism of action , indications , adverse effects and antidote).

B- Adverse effects and precautions of long term therapy with cortico-Steroids.

C- Complications of insulin therapy.

4- Give an account on treatment of amaebiasis.

**GOOD LUCK

الامتحان الشفوي يوم الاثنين ٢٢/١١/٢٠٠٤ الساعة ٩ صباحا

Menoufia University
Faculty of Medicine

Clinical Pharmacology
Department
Date :4/11/2003
Time : 3 Hours

Master of Medicine

ANSWER ALL QUESTIONS

1. Drug therapy of peptic ulcer.
2. Classify oral antidiabetic drugs. Give an account on mechanism of action , adverse effects , contraindications and dosage.
3. Give an account on mechanism of action , adverse effects , dosage of the following :
   A- bronchodilators
   B- Frusemide
4. Give an account on :
   A- Non-surgical antimicrobial prophylaxis.
   B- Heparin(mechanism of action , clinical uses , adverse effects and control of therapy).

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MENOUFIA UNIVERSITY
FACULTY OF MEDICINE

CLINICAL PHARMACOLOGY
DEPARTMENT

Time : 3 hours
Date : 4/5/2003

Master of internal medicine

Give an account on :

1- Oral antidiabetic drugs(mechanism of action, adverse effects, doses).
2- Treatment of amaebiasis.
3- Classification of diuretics, mechanism of action, therapeutic uses, adverse effects and drug interactions of thiazides.
4- Non-surgical antimicrobial prophylaxis.
5- Angiotensin converting enzyme inhibitors(Clinical uses, contraindications and drug interactions).
6- Heparin(mechanism of action, clinical uses, adverses effects and contro of therapy).

**************************************GOOD LUCK

MENOUFIA UNIVERSITY
FACULTY OF MEDICINE

CLINICAL PHARMACOLOGY
DEPARTMENT

Date : 27/4/2004
Time : 3 hours

Master Degree of Internal Medicine
(Pharmacology Exam)

1- Classify diuretics. Give an account on therapeutic uses , adverse effects , drug interactions of frusemide.

2- On pharmacological basis , discuss the following :

A- Due to their effects on various biological systems , beta-blockers possess many therapeutic uses and many adverse effects.

B- Gastric acidity may be inhibited by drugs acting on different types of receptors and enzymes.

3- Give an account on :

A- Heparin (mechanism of action , indications , adverse effects . antidote)

B- Captopril (mechanism of action , indications , adverse effects , contraindications)

C- Adverse effects and precautions of long term therapy with corticosteroids

D- Non-surgical antimicrobial prophylaxis.

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MENOUFIA UNIVERSITY
FACULTY OF MEDICINE

DEPARTMENT OF CLINICA
PHARMACOLOGY

Date : 28 / 5 / 1998
Time allowed: 1 hour

M. Sc. (first part) Examination

PHARMACOLOGY

CHEST:

1. Give an account on each of the following ; Mention drug examples as can as possible:

   (a) Drug steady state concentration (Css).
   (b) Lines of treatment of Tuberculosis.
   (c) Drug therapy of productive cough.

Good Luck

MENOUFIA UNIVERSITY
FACULTY OF MEDICINE

DEPARTMENT OF
CLINICAL PHARMACOLOGY

Time allowed: 1 hour
Date: 23/ 5 / 1999

MASTER DEGREE (M.Sc.)
First part Examination

GENERAL SURGERY:

I. Give short account on:

(a) Drug enzyme induction, mention the clinical importance of this phenomenon.

(b) Therapeutic uses and side effects of Non Steroidal anti- Inflammatory drugs (NSAIDs). Mention the underlying mechanism of action.

(c) Spasmolytic drugs, give drug(s) examples,with special emphasis on the mechanism of action of each drug you slect.

Good Luck

Physiology



Menofiya University
Faculty of Medicine
Department of Medical Physiology

17-11-2013
Time allowed 1 1/2 hour

PHYSIOLOGY EXAM

FOR DEPLOMA DEGREE, FIRST PART (CREDIT HOURS) OF INTERNAL MEDICINE

Give an account on:

1- Homeostasis: mechanism and examples in different body systems. (20 Marks)
2- General functions of the autonomic nervous system. (15 Marks)
3- Gastric motility and secretions. (15 Marks)

Menofiya University
Faculty of Medicine
Physiology Department
Postgraduate examination
Master degree (Credit Hours)

24 / 4 / 2012

NEUROLOGICAL DISEASE AND PSYCHIATRY

Time allowed 1 hour

Give an account on:-

1- Pyramidal tract lesions. (7.5 marks)
2- Shock; types and causes. (10 marks)
3- Amygdaloid nucleus; site, connections and functions. (7.5 marks)

GENERAL MEDICINE.

Time allowed 1.5 hour

Give an account on:-

1- Function of thyroxin hormone. (10 marks)
- Functions of gastric juice. (15 marks)
3- Short term regulation of blood pressure. (15 marks)
4- Primary motor area 4; function and body presentation. (10 marks)

OPICAL MEDICINE

Time allowed 1 hour

ve an account on:-

-Regulation of human body temperature and its normal values. (7.5 marks)
-Shock; definition, types and causes. (10 marks)
-Jaundice; definition and types. (7.5 marks)

IATRICS

Time allowed 1 hour

e an account on:-

-Lung surfactant; chemistry, and function. (7.5 marks)
Intestinal Motility; Types and functions. (10 marks)
Bile pigment; formation, circulation and secretion. (7.5 marks)

Menofiya University
Faculty of medicine
Physiology department
Physiology exam for
M.Sc. students

General medicine

Date: 3-5- 2011

Time allowed: 3 hours

Give a full account on the physiology and pathophysiology of:

1- Shock
2- Acid base balance
3- Regulation of ABP
4- Jaundice

Good luck

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE: 13 - 11 - 2007

GENERAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Cortisol hormone: secretion, functions and regulation of secretion.
2-Distal convoluted tubules: functions and regulation.
3-Gastric secretion: phases and regulation.

....

CARDIOLOGY

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON;

1-Renin-angiotensin system: components and functions.
2-Elecrical activities recorded from nodal tissues: types, mechanisms concerned and significance.
3-Cardiac muscle contractility: mechanisms concerned and mechanical factors that may affect.

....

CHEST DISEASES

TIME ALLOWED:1.5 hour

GIVE AN ACCOUNT ON:

1-Starling forces acting at pulmonary capillaries and pulmonary edema.
2-Chemoreceptors: types and mechanism of stimulation and functions.
3-H+ ion homeostasis: mechanisms concerned.

....

TROPICAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Bile: composition, secretion and functions.
2-Distal convoluted tubules: functions and regulation.
3-Heart rate: normal values and factors affecting.

....

DERMATOLOGY AND VENEROLOGY-

TIME ALLOWED:1 hour

GIVE AN ACCOUNT ON:

1-Cutaneous blood flow: normal values and regulation.
2-Itch sensation: receptors, pathway, central perception and mechanism of inhibition.
3-Testosterone hormone: secretion, functions and regulation.

GOOD LUCK.

MENOUFIYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
EXAMINATION FOR POSTGRADUATE STUDENTS
DIPLOMA (CREDIT HOURS)
DATE: 5-5-2009

GENERAL MEDICINE

TIME ALLOWED: 1.5 HOURS

GIVE AN ACCOUNT ON:

1-Dynamics of glomerular filtration rate.
2-Gastric HCl secretion: mechanisms concerned and functions.
3-Regulation of the diameter of arterioles.
4-Functions of growth hormone.
5-Stretch reflex : components and control.

EUROLOGICAL DISEASES AND PSYCHIATRIC MEDICINE

TIME ALLOWED: 1 HOUR

IVE AN ACCOUNT ON:

Pyramidal tract: divisions and functions.
Natural anticlotting functions of blood.
Amygdaloid nucleus: site, connections and functions.

HEST DISEASES

TIME ALLOWED: 1 HOU

VE AN ACCOUNT ON:

hemoreceptors: types and functions.
taring forces acting at pulmonary capillaries and causes of pulmonary edema.
ead space: types and significance.

RDIOLOGY

TIME ALLOWED: 1 HO

E AN ACCOUNT ON:

T interval in ECG: definition and physiological significance.
rdiac function curves: types and significance.
namics of glomerular filtration rate.

UNIVERSITY

FACULTY OF MEDICINE

PHYSIOLOGY DEPARTMENT

PHYSIOLOGY EXAMINATION FOR POSTGRADUATE STUDENTS

MASTER AND DIPLOMA(CREDIT HOURS)

DATE : Tuesday, 6-5-2008

physiology 2008

GENERAL MEDICINE

TIME ALLOWED: 1.5 HOURS

GIVE AN ACCOUNT ON:

1-Functions of cortisol hormones.
2-Primary motor area 4: body representation and functions.
3-Bile pigments: formation, circulation and excretion.
4-Erythropoiesis: site and regulation.
5-Functions of late distal and cortical collecting tubules.
6-High pressure baroreceptors: site and functions.

PEDIATRICS

TIME ALLOWED: 1 HOUR

GIVE AN ACCOUNT ON:

1-Stretch reflex: components and functions.
2-Pulmonary surfactant: chemical structure and functions.
3-Bile pigments: formation, circulation and excretion.
4-Cardiac output: normal values and intrinsic regulation.

DERMATOLOGY AND VENEROLOGY

TIME ALLOWED: 1.5 HOURS

Adult 10-15 ml Hg. 36 - 45 ml/m children 10-15

GIVE AN ACCOUNT ON:

1-Cutaneous blood flow: normal values and regulation.
2-Hypothalamus and body temperature regulation.
3-Pain receptors: site, characteristics and mechanism of stimulation .
4-Blood-testis barrier: components and functions .
5-Leydig cells: site and functions.
6-Cutaneous manifestations of endocrine disorders.

CHEST DISEASES

TIME ALLOWED: 1 HOUR

GIVE AN ACCOUNT ON:

-Cardiac output: normal values and intrinsic regulation.
-Pulmonary membrane: structure and factors affecting gas exchange across it.
-Blood buffers: types and functions.
-Changes of body physiology at high altitudes.

GOOD LUCK.

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE:13 - 11 - 2007

GYNECOLOGY AND OBESTETRICS TIME ALLOWED:3hours

GIVE AN ACCOUNT ON :

1-Body compensatory responses to hemorrhage
2-Visceral pain: receptors, causes, pathway and perception.
3-Physiology of uterine endometrial cycle: phases and control.
4-Non endocrinal functions of placenta.
5-Physiology of puberty: mechanisms concerned and tuning in a female.

....

OPHTHALMOLOGY TIME ALLOWED:3 hours

GIVE AN ACCOUNT ON:

1-Primary hemostasis: mechanisms concerned.
2-Starling forces acting at systemic capillaries and edema.
3-Optical system of the eye and retinal image formation.
4-Colour vision: mechanism and central perception.
5-Electroretinogram: waves and physiological significance.

....

PEDIATRICS TIME ALLOWED:1 hour.

GIVE AN ACCOUNT ON:

1-Body temperature: normal values and regulation.
2-Neural control of volunatary movements.

....

NEUROLOGICAL DISEASES & PSYCHIATRIC MEDICINE (recent) TIME ALLOWED:1hour

GIVE AN ACCOUNT ON:

1-Neural control of voluntary movements.
2-Physiology of memory: types and mechanisms concerned.

....

NEUROPSYCHIATRY TIME ALLOWED:1.5h

GIVE AN ACCOUNT ON:

1-Role of the kidney in arterial blood regulation.
2-Neural control of voluntary movements.
...mory: types and mechanisms concerned.

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE: April,2007

GENERAL MEDICINE
TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Cardiovascular reserve mechanisms.

2-Renal tubular reabsorption: mechanisms concerned and regulation.

3-Stomach: motor units and emptying.

....

CARDIOLOGY
TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Venous return and its correlation to cardiac output.

2-Deep pain: receptors, causes, pathway and perception.

3-Renal tubular reabsorption: mechanisms concerned and regulation.

....

CHEST DISEASES
TIME ALLOWED: 1.5 hour

GIVE AN ACCOUNT ON:

1-Sarling forces acting at pulmonary capillaries and pulmonary edema.

2-Dead space: types and significance.

3-Visceral pain: receptors, causes, pathway and perception.

....

TROPICAL MEDICINE
TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Gastric secretion: components,functions and regulation.

2-Renal tubular reabsorption: mechanisms concerned and regulation.

3-Heart rate: normal values and factors affecting.

....

DERMATOLOGY AND VENEROLOGY- TIME ALLOWE

GIVE AN ACCOUNT ON:

1-Cutaneous pain: receptors, types, pathway and body reac

2-Spermatogenesis: steps and regulation.

3-Starling forces acting at systemic capillaries and causes o

GOOD LUCK.

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE: OCTOBER, 2006

GENERAL MEDICINE

TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Role of the low and high pressure- baroreceptors in arterial blood pressure regulation.
2-Insulin hormone: functions and regulation of secretion.
3-Gastric secretion: phases and regulation.

....

CARDIOLOGY

TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Cardiac work: types and factors affecting.
2-Functions of thyroid hormones (T3&T4).
3-Shock: definition, types and causes.

....

CHEST DISEASES

TIME ALLOWED: 1.5 hour

GIVE AN ACCOUNT ON:

1-Pulmonary compliance: mechanism, normal values and factors affecting.
2-Immediate and delayed responses of the body to hemorrhage.
3-Body tempeature: normal values and regulation.

....

PEDIATRICS

TIME ALLOWED: 1 hour.

GIVE AN ACCOUNT ON:

1-Body tempeature: normal values and regulation.
2-Upper and lower motor control of skeletal muscle activities.

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE: April, 2006

GENERAL MEDICINE — TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Role of the low and high pressure- baroreceptors in arterial blood pressure regulation.
2-Physiological functions of thyroid hormones (T3&T4).
3-Regulation of gastrointestinal activities.

....

CARDIOLOGY — TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Intrinsic regulation of cardiac output.
2-Glomerular filtration rate: dynamics and autoregulation.
3-Starling forces that act at systemic capillaries and causes of edema.

....

CHEST DISEASES — TIME ALLOWED: 1.5 hour

GIVE AN ACCOUNT ON:

1-Work of breathing: components, measurements and factors affecting.
2-Pulmonary circulation: functions, hemodynamics and regulation.
3-Neural control of respiratory center.

....

PEDIATRICS — TIME ALLOWED: 1 hour.

GIVE AN ACCOUNT ON:

1-Hormonal control of growth during childhood.
2-Gas tension of blood: normal values and regulation.

MENOUFIYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE:20-4-2004

GENERAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Vasomotor center: components and functions.
2-Body temperature: normal values and regulation.
3-Visceral pain: characteristics, causes and pathway.

....

TROPICAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Physiology of splanchnic circulation.
2-Starling forces that act at systemic capillaries and causes of edema.
3-Renal clearance: concept, types and clinical significance.

....

CHEST DISEASES

TIME ALLOWED:1.5 hour

GIVE AN ACCOUNT ON:

1-Vasomotor center: components and functions.
2-CO2 transport in blood: forms and buffering of tidal CO2.
3-Hypoxia: types, causes and characteristics.

....

PHYSIOTHERAPY AND REHABILITATION

Time allowed:1.5 hour

GIVE AN ACCOUNT ON:

1-Neuromuscular transmission: mechanism, properties and factors affecting.
2-Upper motor neuron of skeletal muscle activity: types and functions.
3-Thyroid hormones (T3&T4): mechanism of action and functions.

GOOD LUCK.

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE: 29-10-2002

GENERAL MEDICINE

TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Cardiovascular reserve mechanisms.
2-Renal control of extracellular fluid volume: mechanism and control.
3-Physiology of pain receptors.

CARDIOLOGY

TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Cardiac work output: types and factors affecting.
2-Thyroid hormones (T3&T4): functions and control of secretion.
3- Renal control of extracellular fluid volume: mechanism and control.

CHEST DISEASES

TIME ALLOWED: 1.5 hours

GIVE AN ACCOUNT ON:

1-Tidal CO2: definition and mechanism of its buffering.
2-Body temperature regulation: thermoreceptors and neural centers concerned.
3-Vasomotor center: components and functions.

PEDIATRICS

TIME ALLOWED: 1 hou

GIVE AN ACCOUNT ON:

1-Potassium balance: Mechanisms concerned and control.
2-Body temperature regulation: thermoreceptors and neural centers concerned

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE:2-5-2002

GENERAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-The natural anticlotting mechanisms of the blood.
2-Hormonal control of glucose homeostasis.
3-Extracellular fluid volume homeostasis.

....

CARDIOLOGY

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Cardiac work output.
2-The natural anticlotting mechanisms of the blood.
3-Mechanisms that are concerned in regulation of the diameter of arterioles

....

TROPICAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Normal body temperature and its regulation.
2-Bile formation, secretion ,storage and their control.
3-Role of the kidney in arterial blood pressure regulation.

....

CHEST DISEASES

TIME ALLOWED:1 hour

GIVE AN ACCOUNT ON:

1-Respiratory center and genesis of normal rhythmic breathing.
2-Control of pulmonary circulation.

....

PHYSIOTHERAPY AND REHABILITATION-Time allowed:1.5 hour

1-Role of high and low pressure baroreceptors in arterial blood pressure regulation.
2-Neuromuscular transmission: mechanism and factors affecting.
3-Pyramidal and extrapyramidal motor systems: components and functions.

GOOD LUCK

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT

PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS

DATE:2-5-2000

GENERAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Physiology of chemoreceptors and their role in regulation of breathing and arterial blood pressure.
2-Physiology of blood flow and its regulation.
3-Physiology of glucose homeostasis.

CARDIOLOGY

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Physiology of pain receptors - causes and characteristics of deep pain.
2-Cardiac output regulation in accordance to venous return.
3-Glomerular filteration rate: dynamics and regulation.

CHEST DISEASES

TIME ALLOWED:1.5 hour

GIVE AN ACCOUNT ON:

1-Physiology of pulmonary compliance.
2-Cardiac output regulation in accordance to venous return.
3-Physiology of acid-base balance in body fluids .

PEDIATRICS

TIME ALLOWED:1 hour.

GIVE AN ACCOUNT ON:

1-Hypoxia: types, causes and role of oxygen therapy in each type.
2-Physiology of body temperature regulation, and mechanism of fever

GOOD LUCK.

MENOUFEYA UNIVERSITY
FACULTY OF MEDICINE
PHYSIOLOGY DEPARTMENT
PHYSIOLOGY EXAMINATION FOR M.Sc. STUDENTS
DATE:22-5-1999

GENERAL MEDICINE

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Body temperature regulation and mechanism of fever.
2-Cardiovascular reserve mechanisms.
3-Mechanisms concerned with glucose homeostasis.

....

CHEST DISEASES

TIME ALLOWED:1 hour

GIVE AN ACCOUNT ON:

1-Chest pain: receptors,pathway,central integration,and characteristics.
2-Work of breathing:components and factors affecting.

....

DERMATOLOGY AND VENEROLOGY-

TIME ALLOWED:1.5 hours

GIVE AN ACCOUNT ON:

1-Thermal sensations:receptors, pathway, and central integration.
2-Testosterone hormone: functions and control of secretion.
3-Autonomic control of cutaneous structures:

GOOD LUCK.

Pathology



جامعة المنوفية
كلية‌الطب

Pathology Examination
Master Degree, First Part
Credit hours
Date; 12- 11 -2013
Time; 1 hour

General medicine

1-Give an account on;
a- Hypertension
b- Liver cirrhosis

2- Enumerate complications of chronic glomerulonephritis.

جامعة المنوفية
كلية الطب

Pathology Examination
Diploma, First Part
Credit hours
Date; 4-11 -2012
Time; 1 hour

General medicine

1-Discuss the pathology of thrombogenesis.

2- Discuss the pathology of follicular lymphoma.

3- Give an account on the pathology of primary biliary cirrhosis.

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part
Credit hours
Date; 19- 4 -2012
Time; 1 hour

General medicine

1-Give an account on;
  a- Typhoid Fever
  b- Systemic lupus erythematosis

2- Enumerate complications of diabetes mellitus.

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part
Credit hours
Date; 18-10 -2011
Time; 1 hour

General medicine

1-Give an account on;
a- Hepatic failure
b- Edema

2- Enumerate complications of Gastritis.

جامعة المنوفية
كليةالطب

Pathology Examination
Master degree, first part & diploma
Credit hours
Date; 26 – 4 -2011
Time; 1 hour

General medicine

1- Give an account on autoimmune hepatitis.
2- Discuss the pathology of necrosis.
3- Give an account on nephrotic syndrome and enumerate its causes.

جامعة المنوفية
كلية الطب

Pathology Examination
Diploma, Credit hours
Date; 7 - 4 -2010
Time; 1 hour

General medicine

1- Give an account on Jaundice.

2- Discuss the pathology of Systemic lupus Erythematosus

* ٢٧/١٠

جامعة المنوفية
كلية الطب

Pathology Examination
Diploma, Credit hours
Date; 18 -10 -2009
Time; 1 hour

General medicine

1- Give an account on haemolytic anemia.
2- Discuss the pathology of chronic peptic ulcer.

جامعة المنوفية
كلية الطب

Pathology Examination
Diploma, Credit hours
Date; 10 -5 -2009
Time; 1 hour

General medicine

1-Discuss the pathology of chronic active hepatitis, with regards to grading and staging.

2-Enumerate causes of acute pancreatitis.

3-Mention microscopic picture and complications of chronic fibro-caseous pulmonary tuberculosis.

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part & diploma
Credit hours and old system
Date; 11 -5 -2008
Time; 1 hour

General medicine

1- Diabetic patient has a localized lesion forming multiple communicating suppurative foci in the skin and subcutaneous fat of back of the neck discharging pus through several openings.

a- What is the diagnosis.

b- What is the causative organism.

c- Discuss the pathology of this condition and explain the development of multiple suppurative foci in this lesion.

2- Thirty years old patient was suffering of AIDS. He is presented now with massive protienurea, generalized oedema and microscopic haematuria.

e- What is the possible diagnosis.

f- Discuss the light, electron and fluorescent microscopic pictures and prognosis in this case. Chronic glomerulo—

3-Enumerate;

a- Complications of pulmonary tuberculosis

b- Types of non-Hodgkin' lymphoma

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part
Date; 11-11-2007
Time; one hour

General Medicine

1-57-year-old man presents with fatigue for several months. He underwent a blood transfusion 15 years ago after an accident. Physical examination reveals generalised jaundice, a firm nodular liver edge just below the right costal margin and a mildly protuberant abdomen with a fluid wave. Initial laboratory studies show mildly elevated transaminases, hypoalbuminemia and coagulopathy.

a- What is the most likely diagnosis. chronic hepatitis

b- What are the possible etiologies of this disorder.

c- What are other possible diagnostic tests.

d- Describe gross and microscopic picture of the liver in this case

e- What are the possible complications.

2-25 - year- old man was suffering from low grade fever and night sweating. Chest X ray revealed apical cavitation. Bacteriological examination of the sputum revealed Zeel Nelson positive bacilli. Lung lobectomy was done.

a- What is the most possible diagnosis.

b- Describe the gross and microscopic examination of the lung lobe.

c- Discuss the complications of this case.

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part

Date; 6-5-2007

Time; one hour

General Medicine

A- Discuss the pathology of **hepatitis C virus**

B- 51 years old male presents with epigastric pain. Gastroscopy revealed a **clean solitary gastric ulcer** with punched out wall and radiating gastric ruge around it.

1. what is the suggested diagnosis.
2. explain the pathogenesis of this ulcer
3. what are the common complications

Pediatrics

1. Discuss the pathology of **Type I insulin dependent Diabetes Mellitus**
2. Discuss the pathology of **Rheumatic Endocarditis**
3. Give an account on **infantile polycystic kidney disease**

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part
Date; 21-5-2006
Time; one hour

General Medicine

A- Discuss pathogenesis, pathological features and complications of acute hemorrhagic pancreatitis.

B- Discuss the pathology of
1- Shock
2- Primary biliary cirrhosis.

Pediatrics

1- Discuss the pathology of Hodgkin's lymphoma in children.
2- Give an account on pericarditis in children.
3- Give an account on nephritic syndrome.

جامعة المنوفية
كلية الطب

Pathology Examination
Master Degree, First Part
Date: 22-5-2005

General medicine; Time; 1hour

1- Enumerate causes of liver enlargement and discuss one of them.
2- Give an account on oedema.

Pediatrics; Time; 1hour

1- Discuss the pathology of Burkitt's lymphoma.
2- Discuss the pathogenesis, pathological picture and clinical manifestations of post streptococcal glomerulonephritis.

Dermatology& andrology Time; 1.5hours

1-Discribe the histopathology of;
A. Psoriasis.
B. Discoid lupus erythematosus.

2-Enumerate;
A- Causes of testicular atrophy.
B- Complications of wound healing.

3-Give an account on acantholysis.

MENOFIYA UNIVERSITY
FACULTY OF MEDICINE

MS Degree In GENERAL MEDICINE (First Part)

Pathology Exam

Date : November 12th, 1990

Time allowed : One Hour

All Questions to be Attempted

1) Discuss the pathology of PERITONITIS

2) Give an account on the complications of DIABETES MELLITUS

MENOFIYAH UNIVERSITY

FACULTY OF MEDICINE

M.D INTERNAL MEDICINE PATHOLOGY EXAMINATION

PATHOLOGY EXAMINATION

DATE: June, 1998

TIME ALLOWED: 90 MINUTES

ALL QUESTIONS TO BE ATTEMPTED

1) Compare the pathological changes in CRHON'S DISEASE and ULCERATIVE COLITIS

2) Give an account on the pathology of NEPHROTIC SYNDROME

[illegible]

FACULTY OF MEDICINE

[illegible] IN TROPICAL DISEASES (FIRST PART)

[illegible] EXAMINATION

[illegible] November, 1997 TIME ALLOWED : ~~one~~ 3 hou[rs]

ALL QUESTIONS TO BE ATTEMPTED

1) Discuss the pathology of INTESTINAL AMAEBIASIS

2) Give an account on :-

a. The pathology of ACUTE VIRAL HEPATITIS

b. The pathology and complications of HYDATID CYST

3) Give an account on the pathology of HEPATOSPLENIC BILHARZIASIS

Microbiology



Menoufiya University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. Internal Medicine) and Diploma
Time allowed: 1 Hour

November 2013

<u>All questions are to be answered:</u>

I- Write an account on causative organism, mode of transmission and diagnosis of Enteric fever. (6 Marks)

II- Give short notes on: (6 Marks)

1. Diseases caused by *E.coli.*
2. Pathogenesis of gastritis caused by *Helicobacter pylori.*
3. Complications of antimicrobial drugs.

III- Give reason: (6 Marks)

1. Treatment of TB must be combined and prolonged.
2. Antigenic shift and drift of influenza virus.
3. Frequent reactivation of herpes simplex virus.
4. Prophylactic antibiotics before dental operation in rheumatic patients.

IV- Give name: (4 Marks)

1. Two bacterial pathogens transmitted by unpasteurized milk.
2. Antiviral drugs used for treatment of influenza viruses.
3. Two antibiotics that act on bacterial cell wall.
4. Neurotoxin in canned foods.
5. Predominant immunoglobulin in 2ry immune response.
6. Nonspecific agglutination test for diagnosis of infectious mononucleosis.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine) and Diploma
Time allowed: 1 hour

Nov 2012

All questions are to be answered:

I. Write an account on laboratory diagnosis of:
   1- a case of typhoid fever.
   2- a case of pulmonary tuberculosis.

II. Write a short account on:
   1- Complications of chemotherapy.
   2- Etiology of aseptic meningitis.
   3- Vaccines against rabies.

III. Enumerate (FOUR at least):
   1- Causes of pyrexia of unknown origin.
   2- Causative agents of atypical pneumonia.
   3- Opportunistic infections associated with AIDS.
   4- Zoonotic infections.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(Diploma of General Medicine)
Time allowed: one hour April 2012

Answer the following questions:

I. Mention three bacterial zoonotic agents that cause human disease and their mode(s) of transmission. Describe the laboratory diagnosis of ONE of them. (7 marks)

II. Mention etiology and modes of transmission of: (each 2 marks)

1. Typhoid fever
2. Legionnaire's disease.
3. Swine flu.

III. Write an account on: (each 4 marks)

1. Treatment of multidrug resistant *S. aureus* (MRSA and VRSA)
2. Prophylaxis against hepatitis B virus.
3. Infectious mononucleosis.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine)
Time allowed: 1 hour

Oct. 2011

All questions are to be answered:

I. Write an account on laboratory diagnosis of:

1- a case of typhoid fever.
2- a case of pulmonary tuberculosis.

II. Write a short account on:

1- Complications of chemotherapy.
2- Etiology of aseptic meningitis.
3- Vaccines against rabies.

III. Enumerate (FOUR at least):

1- Causes of pyrexia of unknown origin.
2- Causative agents of atypical pneumonia.
3- Opportunistic infections associated with AIDS.
4- Zoonotic infections.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine) and Diploma
Time allowed: 1 hour

May 2011

All questions are to be answered:

I. Write an account on laboratory diagnosis of:
  1- a case of typhoid fever.
  2- a case of pulmonary tuberculosis.

II. Write a short account on:
  1- Complications of chemotherapy.
  2- Etiology of aseptic meningitis.
  3- Vaccines against rabies.

III. Enumerate (FOUR at least):
  1- Causes of pyrexia of unknown origin.
  2- Causative agents of atypical pneumonia.
  3- Opportunistic infections associated with AIDS.
  4- Zoonotic infections.

صيكر ،

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine) and Diploma
Time allowed: 1 hour   April 2010

All questions are to be answered:

I. Write an account on laboratory diagnosis of:

1- a case of typhoid fever.
2- a case of pulmonary tuberculosis.

II. Write a short account on:

1- Complications of chemotherapy.
2- Etiology of aseptic meningitis.
3- Vaccines against rabies.

III. Enumerate (FOUR at least):

1- Causes of pyrexia of unknown origin.
2- Causative agents of atypical pneumonia.
3- Opportunistic infections associated with AIDS.
4- Zoonotic infections.

ENOUFIA UNIVERSITY
ACULTY OF MEDICINE
EPARTMENT OF MICROBIOLOGY
KAMINATION OF MICROBIOLOGY
APER : I
LL QUESTIONS TO BE ANSWERED.

ساعات معتمدة
M. sc & diplome
General medicine
TIME ALLOWED: One HOURS
Oct .2009

UDENT'S NAME :
UDENT'S NO. :

I - Write an account on the microbial etiology of endocarditis , then describe the laboratory methods for diagnosis of one of such agents. (40 marks)

II- Write an account on : (20 marks each)

a - Complications of chemotherapy.

b - Hepatitis B markers and their value in evaluation of a case.

c - Ball-Bunnel test.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine) & Diploma
Time allowed: 1 hour

May 2009

All questions are to be answered:

I. Write an account on laboratory diagnosis of:
1- a case of typhoid fever.
2- a case of pulmonary tuberculosis.

II. Write a short account on:
1- Complications of chemotherapy.
2- Etiology of aseptic meningitis.
3- Vaccines against rabies.

III. Enumerate (FOUR at least):
1- Causes of pyrexia of unknown origin.
2- Causative agents of atypical pneumonia.
3- Opportunistic infections associated with AIDS.
4- Zoonotic infections.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.Sc. General Medicine)
(Diploma of General Medicine)
Time allowed: One hour

سنوات سابقة

May 2008

All questions are to be answered:

I. Write an account on laboratory diagnosis of:
1- Typhoid fever.
2- Epidemic cerebrospinal meningitis.

II. Write a short account on:
1- Bacterial resistance against antimicrobial agents.
2- Tuberculin test.
3- Vaccines against HBV infection.

III. Enumerate (FOUR at least):
1- Causes of pyrexia of unknown origin.
2- Causative agents of atypical pneumonia.
3- Causes of bacterial food poisoning.
4- Zoonotic infections.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine)
Time allowed: 1 hour

NOV 2007

All questions are to be answered:

I. Write an account on laboratory diagnosis of:
1- a case of typhoid fever. 44
2- a case of pulmonary tuberculosis. 66

II. Write a short account on:
1- Complications of chemotherapy.
2- Etiology of aseptic meningitis.
3- Vaccines against rabies.

III. Enumerate (FOUR at least):
1- Causes of pyrexia of unknown origin.
2- Causative agents of atypical pneumonia.
3- Opportunistic infections associated with AIDS.
4- Zoonotic infections.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine)
Time allowed: 1 hour May 2007

All questions are to be answered:

I. Write an account on laboratory diagnosis of:
1- Typhoid fever.
2- HBV infection.

II. Write a short account on:
1- Bacterial resistance against antimicrobial agents.
2- Tuberculin test.
3- Vaccines against rabies.

III. Enumerate (FOUR at least):
1- Causes of pyrexia of unknown origin.
2- Causative agents of atypical pneumonia.
3- Causes of bacterial food poisoning.
4- Zoonotic infections.

Menoufyia University
Faculty of Medicine
Examination of Microbiology and Immunology
(M.sc. General Medicine)
Time allowed: 1 hour

May 2006

All questions are to be answered:

I. Enumerate three bacterial zoonotic agents that cause human diseases and their modes of transmission. Discuss laboratory methods for diagnosis of ONE of them. 182

II. Write an account on:

1- Prevention and treatment of influenza virus infection.
2- Complications of chemotherapy.
3- Monoclonal antibodies and their applications.
4- *Helicobacter pylori.* 76

...A UNIVERSITY
...LTY OF MEDICINE
...RTMENT OF MICROBIOLOGY
...INATION OF MICROBIOLOGY (M. Sc. Clinical Path.)
...r I (Essays) 2002 Time allowed : Three hs.
...questions to be answered.

- Write an essay on the methods used in bacterial classification and purification.
Give examples whenever possible.

- Discuss the following points :
A - Bacterial mutations , methods for detection& their importance
B - Virulence factors of bacteria with giving examples.
C - Immune dificiency disorders
D - Genetic engineering (Recombinant DNA technology)

- Give an account on :
A - Monoclonal antibodies
B - Complement
C - Antiviral chemotherapy
D - Resistant of bacteria to antibiotics   antimicrobial chemotherapy

Clinical Microbiology :   Meningitis →

Preschool child complaining of nausea , vomiting , headache irritability and fever three days ago. Examination revealed stiffness of the neck & exaggerated reflexes. Mention the:

I - Proffissional clinical diagnosis
2 - Possible causative agent(s).
3 - Specimen (s) should be collected.
4 - Laboratory procedures used for diagnosis.

1-antibiotic resestance
2- mono clonal antibodies
3-veriolancfactors of bacteria
4-staphilococcal food poisoning
5-toxic shok syndrome
-6- sexually transmetted disease
7- mycoplasma
8- nisseria diag.m
endemic , epidemic typhus
10- vidal test enterpretation
11-VDRL test
12-neonatal meningitis , diarehea
13-T.B diag.m

* mono clonal antib.
* viriulance fact.
* REcombinant DNA technology
* meningitis
* Antiviral chemoth.
* mutation
* isolation and purification of Bacteria
* [illegible]

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micro exam 2002

1-T.B(DIAG-koch phenomenon-dim staning-m-predisposing factores)
2-helicobacter pylor
3-streptococci (toxins-clssification-v. strept -streptococcus mutans)
4-staphylococcus toxic shock syndrome
5- neonatal meningitis causes
6-cause of infantile diarrhea
7-diagnosis of colera
8-chlamedia
9-causes of atypical pneumonia
10-diagnosis of candidal infection
11-diagnoses of dermatophytes infectio

1-tissue typing-
2-function of MHC1 , MHC2
3-CAMPYLOBACTER
4-INFLUANZA VIRUS ANTIGEN SHIFT,DRIFT
RES.SYNTHYTEAL VIRUS
H.B VIRUS
EPESTIEN VIRUS
CYTOMEGALO VIRUS
HERPES VIRUS

tien tests

M... 40
Time allowed 1 hour

Menoufia University
Faculty of Medicine
Department ofMedical
Microbiology and
Immunology

Examination of Medical Microbiology

Answer the following questions

1. Enumerate different diseases caused by Herpes viruses.
2. Mention different laboratory methods used for diagnosis of virus infections.
3. Tabulate differences between antigenic shifts and antigenic drifts.
4. Write a short account on laboratory diagnosis of hepatitis B virus infection.

Clinical Phathology



Menoufia University

Faculty of Medicine

Clinical Pathology Departement

Date: 12 /11/ 2013

time: **one (1) hour**

1st Part Master and Diploma of Internal Medicine Exam

(Credit hours)

Q1- Laboratory diagnosis of multiple myeloma. Bence Jones P. (6 marks)

Q2- Causes and laboratory diagnosis of hypoglycemia . (7 marks)

Q3- Laboratory diagnosis of fever of unknown origin. (6 marks)

Q4- Laboratory diagnosis of acute viral hepatitis . (6 marks)

Ig - IgM

Good Luck

Menoufia University
Faculty of Medicine
Clinical Pathology Department

Time:1 hour
Date :04 /11/2012

1st Part M.Sc and Diploma of general medicine

(Credit hours)

All questions to be answered :

1-Give an account on :

a) Causes and diagnosis of microcytic hypochromic anemia.
(7Marks)

b)Laboratory diagnosis of chronic liver disease.
(6Marks)

2-Give an account on :

a) Laboratory diagnosis of systemic lupus erthrematosus.
(6Marks)

b) Nosocomial infection .
(6Marks)

oral examination will be on13/11/2012

Menoufia University

Faculty of Medicine

Clinical Pathology Department

Time : 1 hour

Date : 19 /04/2012

1st Part M.Sc and Diploma of general medicine

(Credit hours)

All questions to be answered :

1-Give an account on :

a) Causes and diagnosis of megaloblastic anemia (7)

b) Diagnosis of nephortic syndrome (6)

2-Give an account on :

a) Hepatitis B Markers (6)

b) Diagnosis of brucellosis (6)

Oral examination will be on 16/5/2012

aculty of Medicine
Clinical Pathology
Department

Date Oct 2011
Time one hour

Diploma and 1st Part Master of Internal Medicine
Credit Hours ساعات معتمدة

CLINICAL PATHOLOGY EXAM

All Questions to be answered

Q1:
Give an account on:

A) Causes and diagnosis of polyuria

B) Laboratory tests for diagnosis of Von Willebrand's disease

(12marks)

Q2:
Give an account on:

A) Hepatitis Markers

B) Diagnosis of enteric fever (13marks)

Good luck

Oral Examination will be on Tuesday 1st of November2011

Menoufiyia University

Faculty of Medicine
Clinical Pathology
Department

Date Mai 2011
Time One hour

Diploma and 1st Part Master of Internal Medicine
Credit Hours ساعات معتمدة

CLINICAL PATHOLOGY EXAM

All Questions to be answered

Q1:
Describe Haemophilia types, differential diagnosis and laboratory investigations.

(13 marks)

Q2:
Mention briefly DHT type hypersensitivity mechanism and laboratory investigations.

(12 marks)

Oral Examination will be for Master on Sunday 15 /5 and Diploma on Tuesday 17/5 2011

Good Luck

Menoufiyia University

Faculty of Medicine
Clinical Pathology
Department

Date OCT 2010
Time One hour

First Part Master of Diploma and Msc Internal Medicine
Credit Hours ساعات معتمدة

CLINICAL PATHOLOGY EXAM

All Questions to be answered

Q1:
Discuss iron deficiency anaemia causes, laboratory investigations and differential diagnosis

(12 marks)

Q2:
Give a brief account on laboratory diagnosis of acute myocardial infarction

(13 marks)

Oral Examination will be on 17/10/ 2010

Good Luck

Clinical pathology Department
Menoufia University
Faculty of Medicine

Date : 7 /4/2010
Time :one hour

First part MSc, Diploma Internal Medicine/Clinical pathology examination(credit hours)

ALL Question to be answered:

Give an account on:

1. Laboratory findings of liver cell failure(10 marks)

2. A-Methods of microbiological diagnosis and information needed in the request.(5 marks)

   B-Laboratory evidence of hemolysis. ((10 marks)

Oral examination will be :MSc 2/5/2010
Diploma 4/5/2010

Good luck

Clinical pathology Department
Menoufiya University
Faculty of Medicine

Date : 18/10/2009
Time :one hour

First part MSc, Diploma internal medicine /Clinical pathology examination(credit hours)

ALL Questions to be answered:

Give an account on:

1-Reference range of serum potassium&Causes of hypo and hyperkalemia (10 marks)

2 -a-Interpretation of widal test(5 marks)

b-Iron deficiency anemia(causes& laboratory findings) (10marks)

Clinical pathology Department
Menoufiya University
Faculty of Medicine

Date :10 /5/2009
Time :one hour

First part Diploma Internal Medicine/Clinical pathology examination (credit hour)

ALL Question to be answered:

Give an account on:

1. Megalobastic anemia(causes, laboratory diagnosis)
2. Clinical features, causes, laboratory diagnosis of Cushing syndrome

Oral examination will be on Sunday 31/5/2009

enoufyia University

aculty of Medicine

linical pathology
epartment

Date : 11/5/2008

Time :one hour

First part MSc medicine

CLINICAL PATHOLOGY examination

All Questions to be answered:

Give an account on:

1- Differential diagnosis of hypercalcemia

2-Hazards of blood transfusion

3-Mechanisms of autoimmunity.

18/5

ral examination will be on Tuesday ~~3/6~~/2008 at 10 AM

Good luck

Menoufia University

Faculty of Medicine

M.Sc. First part : Medicine

Date:11/11/2007

Time : One hour

CLINICAL PATHOLOGY

Give an account on :

1- Causes and hematological picture of megaloblastic anemia. (12 marks

2- Laboratory diagnosis of acute myocardial infarction. (13 mark

Good luck

B: Oral examination will be on Sunday 25/11/2007

Menoufia University
Faculty of Medicine
Clinical Pathology Department

Time : one hour
Date : 6 / 5 / 2007

1st part of M.Sc. Medicine
Clinical Pathology Exam.

Give a short account on :-

1- *Laboratory diagnosis of acute myocardial infarction.* (13 marks)
2- *Complications of blood transfusion.* (12 marks)

Good Luck

N.B. Oral Exam. will be on Sunday ; 20/5/2007 .

Date : 21/5/2006

Time : One hour

Faculty of Medicine

Clinical Pathology Department

M.Sc. First part : Medicine (نظام جديث)

CLINICAL PATHOLOGY

Give an account on :

1- Laboratory diagnosis of chronic renal failure .

2- Causes & laboratory diagnosis of acquired coagulation disorders.

بسم الله الرحمن الرحيم

Menoufia University

Faculty of Medicine

M.Sc. First part : Medicine

Date : 18/4/2004

Time : One hour

CLINICAL PATHOLOGY

Give an account on :

1- (a): Laboratory findings of diabetic ketoacidosis.

(B): Microalbuminuria.

2-Causes and differential diagnosis of normocytic normochromic anaemias.

Good luck

Minoufia University
Faculty of Medicine
Clinical Pathology Department

Sunday 28/4/2002.

Time allowed: One hour

M.Sc. 1st part Medicine.

Clinical Pathology Exam.

Give an account on:

- Laboratory diagnosis of Chronic Renal Failure.

- Laboratory diagnosis of Multiple Myeloma.

- Oral exam will be on Wednesday 15/5/2002.

Good luck

بسم الله الرحمن الرحيم

Menoufia University
Faculty of Medicine
M.Sc. First part : Medicine

Date : 5/11/2000
Time : One hour

CLINICAL PATHOLOGY

Give an account on :

Etiology , diagnosis and differential diagnosis of leukaemoid reaction. 12

Laboratory diagnosis and differential diagnosis of Hypokalemia 33

Good luck.

Faculty of medicine

M.Sc. First part: Medicine

Date : 30/4/2000

Time : One hour

Clinical Pathology

Give an account on:

C/P & laboratory diagnosis pernici

(1) Etiology, clinical features and laboratory findings of pernicious anaemia.

(2) Etiology, clinical manifestations and laboratory evaluation of hyperkalaemia.

Good Luck

ماجستير جزء أول باطنة

Zagazig university
Benha Faculty of medicine.
28/ 5 / 1995

M.sc general Medicine

Clinical pathology.

Give a short account on :-

1 - Laboratory diagnosis of a cute pancreatitis.

2 - Haematological and Immunological and biochemical findings in multiple myclomatosis.

llowd : 1 hr .

ZAGAZIG UNIVERSITY

BENHA FACULTY OF MEDICINE

CLINICAL&CHEMICAL PATH. DEP.

12/5/1992

MS.C MEDICINE

1st part

ماجستير باطنه

كلينكال باثولوجى

ISCUSS DIAGNOSTIC SIGNIFICANCE OF:

a) SPLENOMEGALLY AS MANIFISTATION OF BLOOD DISEASES.

b) THE IMPORTANT LABORATORY TESTS USED IN THE DIAGNOSIS OF RENAL FAILURE .

ماجستير جزء أول باطنه عامة

...an of Medicine
... Department

MASTER DEGREE EXAM.

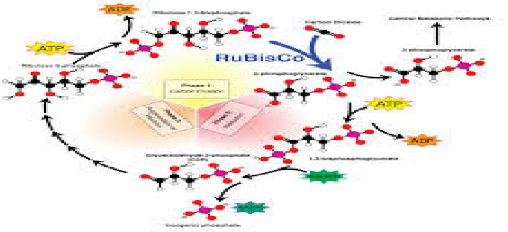
OCT. 1996.

PATHOLOGY FOR GENERAL MEDICINE.

...iss the pathological mechanisms and morphology of ...versible cell injury.

AN ACCOUNT ON :

Biochemistry



جامعة المنوفية

Date:- 17/11/2013
Time:- 90 min.
Code: (INTM712)

Minufia University
Faculty of Medicine
Postgraduate Studies
Department of: Medical Biochemistry
Degree: Diploma Degree in General Medicine.
Exam: Part1:- Medical Biochemistry
Part 2:-

Paper No (1)

Answer the following questions (for total of 25 degree)

I. Give an account on three of the following *(15 degree)*

1- Name six important plasma proteins. Which fraction will be absent in serum proteins and why?

2- What are the functions and biomedical importance of potassium in the body?

3- Factors that affect cholesterol level in blood.

4- Factors that influence the rate of absorption of carbohydrates from intestine.

II. Mention the the clinical significance of five of the following: *(5 degree)*

1-Haptoglobin	2- Nitric oxide
3-C-Peptide	4- Serum transaminases
5-Alpha-fetoproteins	6- Glucose tolerance test

III. Comment on the following case problem *(5 marks)*

A 29-year old female patient exhibited a rounded face, hirsuitism, upper body obesity, severe fatigue and anxiety. She had been prescribed prednisone for treatment of asthma. On examination there is high fasting blood glucose and high blood pressure. Cortisol levels were below normal.

Answer the following questions:

a- What is your diagnosis? *(1 marks)*

b- Explain other causes of this condition. *(2 marks)*

c- What are the laboratory findings found in this patient? *(2marks)*

ORAL EXAM AT : 4 / 12 / 2013 at 9 O`clock

Minufiya University
Faculty of Medicine
Postgraduate Studies

Date:-24/4/2012
Time:- 90 min.
Code: (INTM712)

Department of: Medical Biochemistry
Degree: M.Sc. Degree in General Medicine.
Exam: Part1:- Medical Biochemistry
Part 2:-

Give an account on five of the following(5 degree for each):

1- Causes and laboratory investigations of diabetic ketoacidosis?

2-Clinical significance of creatine phosphokinase and LDH isoenzymes ?

3-Clinical significance of proinsulin and C-peptide?

4- Causes and types of acidosis?

5-Clinical significance of C-reactive protein?

6-Chylomicron metabolism?

- ***ORAL EXAM AT 9 / 5 / 2012***

Signature
Prof Dr. Naglaa Ghanayem

Minufiya University
Faculty of Medicine
Postgraduate Studies

Department of: Medical Biochemistry
Degree: Master Degree in Medicine.
Exam: Part 1:- Medical Biochemistry.
Part 2:-

Paper No (1)

Date:- 3/5/2011
Time:- 90 min.
Code: (INTM712)

Answer 5 questions only:

On biochemical bases, explain:

5 marks for each question:

1- CEA, CA 19.9 and AFP as tumour markers.
2- Glycated HB and Fructosamine as follow up tests for diabetic patients.
3- VLDL metabolism..
4- Excretory and Synthetic functions of the liver.
5- Ammonia intoxication.
6- Principle and uses of polymerase chain reaction (PCR).
7- Tropinin and CKMB as cardiac biomarkers.

Good Luck

Oral Exam.:- 17/5/2011

Minufiya University
Faculty of Medicine
Postgraduate Studies

Department of: Medical Biochemistry
Degree: Master Degree in Medicine.
Exam: Part 1:- Master Degree in Medicine.
Part 2:-

Paper No (1)

Date:- 5/5/2009
Time:- 90 min.
Code: (INTM712)

Answer 10 questions only.

On biochemical bases, explain:

1- Diabetic ketoacidosis. (2.5 marks)
2- Cardiac biomarkers. (2.5 marks)
3- Renal ammonia mechanism for regulation of acid-base balance. (2.5 marks)
4- High density lipoproteins (HDL) metabolism. (2.5 marks)
5- Markers of Hepatocellular injury. (2.5 marks)
6- Oncofetal antigens as tumour markers. (2.5 marks)
7- Catabolism of heme produces bilirubin. (2.5 marks)
8- Thyroid function tests. (2.5 marks)
9- Familial hypercholesterolemia. (2.5 marks)
10- Missense mutations. (2.5 marks)
11- Restriction enzymes. (2.5 marks)
12- Causes and importance of hypoglycaemia. (2.5 marks)

Good Luck

Oral Exam:- Medical Biochemistry
Date: 27/5/2009
Clinical:-
Practical:-

جـامعـة المنوفيـة

Minufiya University
Faculty of Medicine
Postgraduate Studies

Department of: Medical Biochemistry
Degree: Master Degree in Medicine.
Exam: Part 1:- Master Degree in Medicine. Paper No (1)
Part 2:-

Date:- 6/5/2008
Time:- 90 min.
Code: (INTM712)

Answer 10 questions only:
Give an account on:

1- Glycated (Glycosylated) Hemoglobin. (3.5 marks)
2- α-1 Antitrypsin. (3.5 marks)
3- Impaired glucose tolerance. (3.5 marks)
4- VLDL metabolism. (3.5 marks)
5- Tropinin and CKMB as cardiac biomarkers. (3.5 marks)
6- Double-strand break repair. (3.5 marks)
7- Gene therapy and Transgenic animals. (3.5 marks)
8- Wilson's Disease. (3.5 marks)
9- α-Feto protein (AFP). (3.5 marks)
10- Gamma-glutamyl transferase (GGT). (3.5 marks)
11- Principle and uses of polymerase chain reaction (PCR). (3.5 marks)
12- Markers of synthetic function of the liver. (3.5 marks)

Good Luck

Oral Exam:- Medical Biochemistry Date:- 19/5/2008
Clinical:-
Practical:-

Menoufiya University
Faculty of Medicine
Biochemistry Department

Date: 13/11/2007

Master Degree, First Part, Clinical

Time: One Hour for the first question.
One and half Hour for the two questions.

Biochemistry Examination

(First question are obligatory for all clinical Dept. including Neurology "new").

1- Discuss in details:
a- Gamma-glutamyl transferase (GGT).
b- Gilbert's syndrome.
c- Copper in liver disease.
d- VLDL metabolism.
e- Missense mutations.
f- CA 19.9, CA125 and CA15.3 as carbohydrate-related tumour markers.
g- CPK isoenzymes and importance.
h- Phenylketonuria.
i- Principle and uses of PCR.
j- Calcium as second messenger of hormone.

(Second question only for Medicine, Tropical, Chest, Cardiology, Dermatology and Neurology "old" Dept.).

2- Discuss the following items in diabetes mellitus:
a- Types of diabetes mellitus.
b- Criteria for the diagnosis of diabetes mellitus.
c- Diabetic ketoacidosis.
d- Glycated proteins.

Good Luck

Biochemistry Department

Date: 23/5/2006

Master Degree, First Part, Clinical

Time: One Hour for two questions.
One and half Hour for three questions.

Biochemistry Examination

(First & Second questions are obligatory for all clinical Dept. including Neurology "new").

1- Bilirubin is one of excretory hepatic function.
Discuss source, metabolism and abnormal metabolic disorders of bilirubin (hyperbilirubinaemia)?

2- Give short accounts on:
a) Phenylketonuria.
b) Glycated (Glycosylated) Hemoglobin.
c) Transgenic animals.
d) Clinical importance of α-Amylase enzyme.

(Third question only for Medicine, Tropical, Chest, Cardiology, Dermatology and Neurology "old" Dept.).

3- Give short accounts on:
a) Gene therapy.
b) Tropinin.
c) High density lipoproteins.
d) Alkaline phosphatase isoenzymes.

Good Luck.

Oral examination on Saturday 10/6/2006.

Menoufiya University
Faculty of medicine
Biochemistry Department
M.Sc. First part (Clinical)
(April,2002)

Time: 1 hour

• Medicine

Give an account on :

1- Diabetic coma

1- Alpha1-antitrypsin

2- Cardiac enzymes of clinical importance.

3- Potassium metabolism.

Faculty of Medicine
Medical Biochemistry Dept.

First part clinical exam.
2/5 / 2000

Biochemistry Examination

Answer all questions .

1- Coma is very common in emergancy room .
How can you diagnose coma using your biochemical basis.

2- Give short notes on

a- Phenylketonuria
b- T3 toxicosis
c- Hypoglycemia
d- Galactosemia

Minoufiya University
Faculty Of Medicine
Biochemistry Dept.
Time Allowed: One Hour

Master Degree
First Part
Clinical
23-5-1999.

Biochemistry Examination

The first question must be answered and choose one of the other two questions.

1- Your asked to examine patient aged 10 years suffering from jaundice.

Use your clinical biochemistry experience to diagnose the Patient ?

2- Write short notes on :

a- Renal Rickets.
B- Galactosemia
c- Albinism.
d- LDL.

4- Write short notes on :

a- Serum Lipase.
b- CK – Isoenzymes.
c- Diabetic keto-acidosis.
d- Chylomicrones.

Menoufiya University
Faculty of Medicine
Medical Biochemistry Dept.,

M.Sc. Clinical Sciences
Shibin El-Kom
21-5-1995

Bio-c

Biochemistry

Answer only two of the questions:

1-What is an inborn error of metabolism ?
What are the examples you know ?
How you decrease the magnitude of the problem ?

2- Write short notes on :

a- Favism
b- Carcinoid syndrome
c- Gout
d- Diagnosis of cardiac infarction

3- Discuss briefly :

a- Ketosis
b- Thyroid Functions
c- Gamma GT
d- Apolipoproteins